

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 5098C
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Issue: 10
Issue Date: 1/29/2008
Effective Date: 3/1/2008

A. Construction

1) Component 1	8 X 1 COND	Diameters (In)
a) Conductor	24 (7/32) AWG TC	0.044
b) Insulation	0.010" Wall, Nom. PVC, Semi Rigid	
(1) Color Code	Alpha Wire Company Color Code E	

Cond	Color	Cond	Color	Cond	Color
1	BLACK	4	ORANGE	7	BLUE
2	BROWN	5	YELLOW	8	VIOLET
3	RED	6	GREEN		

2) Cable Assembly	8 Components Cabled	
a) Twists:	6.9 Twists/foot (min)	
b) Core Wrap	Nonwoven Polyester Tape, 25% Overlap, Min.	
3) Shield:	Alum/Mylar Tape, 25% Overlap, Min.	
a) Foil Direction	Foil Facing In	
b) Drain Wire	24 (7/32) AWG TC	
4) Jacket	0.032" Wall, Nom.,PVC	0.219 (0.232 Max.)
a) Color(s)	Slate, Black, Yellow, Orange, Blue, Green, Red, Sand Beige, White	
b) Ripcord	1 End 810 Denier Nylon	
c) Print	ALPHA WIRE-* P/N 5098C 8C 24 AWG XTRAGUARD 1 XTREME PERFORMANCE FOR XTREME ENVIRONMENTS - SHIELDED 105C (UL) TYPE CM OR AWM 2464 VW-1 --- LLXXXXXX CSA 105C TYPE CMG FT4 CE ROHS <SEQ FOOTAGE> * = Factory Code	

[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]

B. Industry Approvals

1) UL	AWM/STYLE 10002	105°C / 300 VRMS
a) Component 1	AWM/STYLE 2464	80°C / 300 VRMS
b) Overall	CM	105°C
	VW-1	
2) CSA International	CMG	105°C
	FT4	
3) EU Directive 2002/95/EC(RoHS):	All materials used in the manufacture of this part are in compliance with EU Directive 2002/95/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. Consult Alpha Wire's web site for compliance Date of Manufacture.	
4) California Proposition 65:	The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.	
5) CE:	LVD 73/23/EEC Amendment 93/68/EEC	

C. Physical & Mechanical Properties

1) Temperature Range	-20 to 105°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	32 Lbs, Maximum
4) Sunlight Resistance	Yes

D. Electrical Properties

1) Voltage Rating	(For Engineering purposes only)
2) Capacitance	300 VRMS
3) Ground Capacitance	32 pf/ft @1 kHz, Nominal Conductor to Conductor
4) Inductance	58 pf/ft @1 kHz, Nominal
	0.19 µH/ft, Nominal

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5) Conductor DCR 26 Ω /1000ft @20°C, Nominal
6) OA Shield DCR 16 Ω /1000ft @20°C, Nominal

E. Other

1) Packaging

- a) 1000 FT
- b) 500 FT
- c) 328 FT
- d) 100 FT
- e) Bulk(Made-to-order)

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